

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) An ~~information recording apparatus~~ for recording information in a recordable recording medium in conformity to a recording format ~~for a recording medium for reproduction only~~, the recording format defining at least unit recording information and first managing control information, the unit recording information including recording information ~~to be reproduced~~ and reproduction control information ~~for controlling a reproduction mode of the recording information~~, the first managing control information ~~controlling the reproduction of one or a plurality of said unit recording information~~, the apparatus comprising:

a first recording device for recording said unit recording information in said recordable recording medium;

a first generating device for generating second managing control information corresponding to ~~[[the]]~~ a number of the recorded unit recording information;

a second generating device for generating the first managing control information on ~~[[the]]~~ a basis of the generated second managing control information; and

a second recording device for recording said generated first and second managing control information, ~~and then recording said first and second~~ managing control information being recorded in an area different from an first and second area where said second managing control information is recorded in the areas of said recordable recording medium, respectively, the first area including tentatively recorded video manager information, the tentatively recorded video manager information being recorded at a point where recording of information is not terminated.

2. (Currently Amended) The ~~information recording apparatus~~ according to claim 1, wherein said first recording device, after said recording information is recorded, records said reproduction control information corresponding to the recording information in an area on said recordable recording medium, said area detected ahead of the recording information;

and

~~said second recording device records said second managing control information in an area on said recordable recording medium; said~~ is recorded in an area located between the area in which said recording information is recorded and the area in which said reproduction control information is recorded.

3. (Currently Amended) The ~~information recording apparatus~~ according to claim 2, further comprising an editorial device for carrying out ~~[[the]]~~ editorial processing to change ~~[[the]]~~ reproduction content of said recording information which has been already recorded in said recordable recording medium,

wherein said first generating device newly generates said second managing control information corresponding to the content of said recording information after the editorial processing; and

said second recording device records said newly generated second managing control information in a vacant area on said recordable recording medium.

4. (Currently Amended) The ~~information recording apparatus~~ according to claim 1, further comprising a third recording device for recording ~~generating~~ said first managing control information by using said recorded second managing control information ~~and recording it in said recordable recording medium~~ when the recording of said recording information ~~in said recordable recording medium~~ is terminated.

5. (Currently Amended) The ~~information recording apparatus~~ according to claim 4, wherein ~~said third recording device records said generated first managing control information~~ is recorded in an area on said recordable recording medium, said area detected ahead of the unit recording information.

6. (Currently Amended) The ~~information recording apparatus~~ according to claim 1, wherein said recording format is based on a DVD video standard, said recordable recording medium is a DVD-R (DVD-Recordable) and further, said unit control information is VTSI (Video Title Set Information) in said recording format and said first managing control information is VMGI (Video Manager General Information) in said recording format.

7. (Currently Amended) ~~An information recording~~ A method for recording information in a recordable recording medium in conformity to a recording format ~~for a recording medium for reproduction only~~, the recording format defining at least unit recording information and first managing control information, the unit recording information including recording information ~~to be reproduced and reproduction control information for controlling a reproduction mode of the recording information~~, the first managing control information ~~controlling the reproduction of one or a plurality of said unit recording information~~, the method comprising:

a first recording process for recording said unit recording information in said recordable recording medium;

a first generating process for generating second managing control information corresponding to ~~[[the]]~~ a number of the recorded unit recording information;

a second generating process for generating the first managing control information on ~~[[the]]~~ a basis of the generated second managing control information; and

a second recording process for recording said generated first and second managing control information, ~~and then recording said first and second~~ managing control information being recorded in an area different from an first and second area where said second managing control information is recorded in the areas of said recordable recording medium, respectively, the first area including tentatively recorded video manager information, the tentatively recorded video manager information being recorded at a point where recording of information is not terminated.

8. (Currently Amended) The ~~information recording~~ method according to claim 7, wherein, in said first recording process, after said recording information is recorded, said reproduction control information corresponding to the recording information is recorded in an area on said recordable recording medium, said area detected ahead of the recording information; and

~~in said second recording process, said second managing control information is recorded in an area on said recordable recording medium, said area located between the area in which said recording information is recorded and the area in which said reproduction control information is recorded.~~

9. (Currently Amended) The ~~information recording method~~ according to claim 8, further comprising an editorial process for carrying out ~~[[the]]~~editorial processing to change ~~[[the]]~~a reproduction content of said recording information which has been already recorded in said recordable recording medium,

wherein, in said first generating process, said second managing control information corresponding to the content of said recording information is newly generated after the editorial processing; and

in said second recording process, said newly generated second managing control information is recorded in a vacant area on said recordable recording medium.

10. (Currently Amended) The ~~information recording method~~ according to claim 7, further comprising a third recording process for ~~generating recording~~ said first managing control information by using said recorded second managing control information ~~and recording it in said recordable recording medium~~ when the recording of said recording information ~~in said recordable recording medium~~ is terminated.

11. (Currently Amended) The ~~information recording method~~ according to claim 10, wherein ~~in said third recording process~~, said generated first managing control information is recorded in an area on said recordable recording medium, said area detected ahead of the unit recording information.

12. (Currently Amended) An information recording medium, in which a recording control program is recorded capable of being read by a recording computer included in an information recording apparatus for recording information in a recordable recording medium in conformity to a recording format ~~for a recording medium for reproduction only~~, the recording format defining ~~at least~~ unit recording information and first managing control information, the unit recording information including recording information ~~to be reproduced~~ and reproduction control information ~~for controlling a reproduction mode of the recording information~~, the first managing control information ~~controlling the reproduction of one or a plurality of said unit recording information~~, the recording control program causing the recording computer to function as:

a first recording device for recording said unit recording information in said recordable recording medium;

a first generating device for generating second managing control information corresponding to ~~[[the]]~~ a number of the recorded unit recording information;

a second generating device for generating the first managing control information on the basis of the generated second managing control information;

a second recording device for recording said generated first and second managing control information, ~~and then recording said first and second~~ managing control information being recorded in an area different from an first and second area where said second managing control information is recorded in the areas of said recordable recording medium, respectively, the first area including tentatively recorded video manager information, the tentatively recorded video manager information being recorded at a point where recording of information is not terminated.

13. (Currently Amended) The information recording medium according to claim 12, wherein said first recording device, after said recording information is recorded, records said reproduction control information corresponding to the recording information in an area on said recordable recording medium, said area detected ahead of the recording information; and

~~said second recording device records said~~ second managing control information in ~~an area on said recordable recording medium, said is recorded in an~~ area located between the area in which said recording information is recorded and the area in which said reproduction control information is recorded.

14. (Currently Amended) The information recording medium according to claim 13, the recording control program causes the recording computer to further function as an editorial device for carrying out ~~[[the]]~~ editorial processing to change ~~[[the]]~~ a reproduction content of said recording information which has been already recorded in said recordable recording medium,

wherein said first generating device newly generates said second managing control information corresponding to the content of said recording information after the editorial

processing; and

said second recording device records said newly generated second managing control information in a vacant area on said recordable recording medium.

15. (Currently Amended) The information recording medium according to claim 12, the recording control program causes the recording computer to further function as a third recording device for ~~recording-generating~~ said first managing control information by using said recorded second managing control information ~~and recording it in said recordable recording-medium~~ when the recording of said recording information ~~in said recordable recording-medium~~ is terminated.

16. (Currently Amended) The information recording medium according to claim 15, wherein ~~said third recording device records~~ said-generated first managing control information is recorded in an area on said recordable recording medium, said area detected ahead of the unit recording information.

17. (New) The method according to claim 7, wherein said recording format is based on a DVD video standard, said recordable recording medium is a DVE-R (DVD-Recordable) and further, said unit control information is VTSI (Video Time Set Information) in said recording format and said first managing control information VMGI (Video Manager General Information) in said recording format.

18. (New) The information recording medium according to claim 12, wherein said recording format is based on a DVD video standard, said recordable recording medium is a DVE-R (DVD-Recordable) and further, said unit control information is VTSI (Video Time Set Information) in said recording format and said first managing control information VMGI (Video Manager General Information) in said recording format.